

IN THE CLAIMS

Claim 1. (currently amended) An information processing apparatus, comprising:

a generator operable to generate, ~~when continuous reproduction from a first AV stream to a second AV stream is commanded,~~ a third a Bridge Clip AV stream and clip information that includes address information as information pertinent to said Bridge Clip third AV stream and clip stream type information for the Bridge Clip AV stream,

said Bridge Clip third AV stream including a preset portion of ~~said a first AV stream~~ and a preset portion of ~~said a second AV stream~~ and being reproduced when reproduction is switched from said first AV stream to said second AV stream,

said address information including:

information on an address of a source packet of said first AV stream at a time of switching of reproduction from said first AV stream to ~~said a third AV stream~~, and

information on an address of a source packet of said second AV stream at a time of switching of reproduction from said third AV stream to said second AV stream; and

a recorder operable to record said Bridge Clip third AV stream and said ~~address clip~~ information generated by said generator;

wherein said Bridge Clip third AV stream maintains continuity to achieve a seamless playback and said clip stream type information included in the clip information for said

Bridge Clip AV stream indicates that said third AV stream is a Bridge Clip AV stream.

Claim 2. (previously presented) The information processing apparatus according to claim 1, wherein an arrival time stamp of said source packet of said first AV stream is continuous with an arrival time stamp of a first source packet located at a leading end of said third AV stream, and an arrival time stamp of said source packet of said second AV stream is continuous with an arrival time stamp of a second source packet located at a trailing end of said third AV stream.

Claim 3. (previously presented) The information processing apparatus according to claim 2, wherein a sole discontinuous point exists in said arrival time stamp of said second source packet in said third AV stream.

Claim 4. (original) The information processing apparatus according to claim 2, wherein said address is determined so that a data portion of an AV stream previous to a source packet specified by said information on said address of said source packet of said first AV stream is located in a continuous area of not less than a preset size on a recording medium.

Claim 5. (original) The information processing apparatus according to claim 2, wherein said address is determined so that a data portion of an AV stream subsequent to a source packet specified by said information on said address of said source

packet of said second AV stream is located in a continuous area of not less than a preset size on a recording medium.

Claim 6. (original) The information processing apparatus according to claim 2, wherein said third AV stream is generated so that said third AV stream is located in a continuous area of not less than a preset size on said recording medium.

Claim 7. (currently amended) An information generating method, comprising:

~~generating, when continuous reproduction from a first AV stream to a second AV stream is commanded, a third a Bridge Clip~~
AV stream including a preset portion of ~~said a~~ first AV stream and a preset portion of ~~said a~~ second AV stream, said Bridge Clip ~~third~~ AV stream being reproduced when reproduction is switched from said first AV stream to said second AV stream, and
generating clip information that includes address information as information pertinent to said Bridge Clip ~~third~~ AV stream and clip stream type information for the Bridge Clip AV stream,

said address information including:

information on an address of a source packet of said first AV stream at a time of switching of reproduction from said first AV stream to ~~said a~~ third AV stream, and

information on an address of a source packet of said second AV stream at a time of switching of reproduction from said third AV stream to said second AV stream;

wherein said Bridge Clip ~~third~~ AV stream maintains continuity to achieve a seamless playback and said clip stream type information included in the clip information for said Bridge Clip AV stream indicates that said third AV stream is a Bridge Clip AV stream.

Claim 8. (currently amended) A recording medium having recorded thereon a computer-readable program for generating information, said program comprising:

~~generating, when continuous reproduction from a first AV stream to a second AV stream is commanded, a third~~ a Bridge Clip AV stream including a preset portion of said ~~a~~ first AV stream and a preset portion of said ~~a~~ second AV stream, said Bridge Clip ~~third~~ AV stream being reproduced when reproduction is switched from said first AV stream to said second AV stream, and

generating clip information that includes address information as information pertinent to said Bridge Clip ~~third~~ AV stream and clip stream type information for the Bridge Clip AV stream,

said address information including:

information on an address of a source packet of said first AV stream at a time of switching of reproduction from said first AV stream to said ~~a~~ third AV stream, and

information on an address of a source packet of said second AV stream at a time of switching of reproduction from said third AV stream to said second AV stream;

wherein said Bridge Clip ~~third~~ AV stream maintains continuity to achieve a seamless playback and said clip stream

type information included in the clip information for said Bridge Clip AV stream indicates that said third AV stream is a Bridge Clip AV stream.

Claim 9. (canceled)

Claim 10. (currently amended) An information processing apparatus, comprising:

a reproducing unit operable to reproduce a recording medium having recorded thereon a first AV stream, a second AV stream, a Bridge Clip ~~third~~ AV stream including a preset portion of said first AV stream and a preset portion of said second AV stream, and clip information that includes address information as information pertinent to said Bridge Clip ~~third~~ AV stream and clip stream type information for the Bridge Clip AV stream, said Bridge Clip ~~third~~ AV stream being reproduced when reproduction is switched from said first AV stream to said second AV stream, said address information including information on an address of a source packet of said first AV stream at a time of switching of reproduction from said first AV stream to ~~said a~~ third AV stream, and information on an address of a source packet of said second AV stream at a time of switching of reproduction from said ~~third~~ AV stream to said second AV stream; and

a controller operable to control said reproducing unit for switching reproduction from said first AV stream read out from said first AV stream to said Bridge Clip ~~third~~ AV stream and from said Bridge Clip ~~third~~ AV stream to said second AV stream,

based on said information pertinent to said Bridge Clip ~~third~~-AV stream, read out from said second AV stream~~unit~~;

wherein said Bridge Clip ~~third~~-AV stream maintains continuity to achieve a seamless playback and said clip stream type information included in the clip information for said Bridge Clip AV stream indicates that said third AV stream is a Bridge Clip AV stream.

Claim 11. (currently amended) An information processing method, comprising:

reproducing a recording medium having recorded thereon a first AV stream, a second AV stream, a Bridge Clip ~~third~~-AV stream including a preset portion of said first AV stream and a preset portion of said second AV stream, and clip information that includes address information as information pertinent to said Bridge Clip ~~third~~-AV stream and clip stream type information for the Bridge Clip AV stream, said Bridge Clip ~~third~~-AV stream being reproduced when reproduction is switched from said first AV stream to said second AV stream, said address information including information on an address of a source packet of said first AV stream at a time of switching of reproduction from said first AV stream to ~~said a~~ third AV stream, and information on an address of a source packet of said second AV stream at a time of switching of reproduction from said third AV stream to said second AV stream; and

controlling said reproducing step for switching reproduction from said first AV stream readout-controlled in a first readout controlling step to said Bridge Clip ~~third~~-AV

stream and from said Bridge Clip ~~third~~-AV stream to said second AV stream, based on said information pertinent to said Bridge Clip ~~third~~-AV stream, readout-controlled in a second readout controlling step;

wherein said Bridge Clip ~~third~~-AV stream maintains continuity to achieve a seamless playback and said clip stream type information included in the clip information for said Bridge Clip AV stream indicates that said third AV stream is a Bridge Clip AV stream.

Claim 12. (currently amended) A recording medium having recorded thereon a computer-readable program for processing information, said program comprising:

reproducing a recording medium having recorded thereon a first AV stream, a second AV stream, a Bridge Clip ~~third~~-AV stream including a preset portion of said first AV stream and a preset portion of said second AV stream, and clip information that includes address information as information pertinent to said Bridge Clip ~~third~~-AV stream and clip stream type information for the Bridge Clip AV stream, said Bridge Clip ~~third~~-AV stream being reproduced when reproduction is switched from said first AV stream to said second AV stream, said address information including information on an address of a source packet of said first AV stream at a time of switching of reproduction from said first AV stream to ~~said a~~ third AV stream, and information on an address of a source packet of said second AV stream at a time of switching of reproduction from said third AV stream to said second AV stream; and

controlling said reproducing step for switching reproduction from said first AV stream readout-controlled in a first readout controlling step to said Bridge Clip ~~third~~-AV stream and from said Bridge Clip ~~third~~-AV stream to said second AV stream, based on said information pertinent to said Bridge Clip ~~third~~-AV stream, readout-controlled in a second readout controlling step;

wherein said Bridge Clip ~~third~~-AV stream maintains continuity to achieve a seamless playback and said clip stream type information included in the clip information for said Bridge Clip AV stream indicates that said third AV stream is a Bridge Clip AV stream.

Claim 13. (canceled)

Claim 14. (currently amended) A recording medium having recorded thereon address information, comprising:

~~when continuous reproduction from a first AV stream to a second AV stream is commanded, a third~~ Bridge Clip AV stream including a preset portion of said first AV stream and a preset portion of said second AV stream, said Bridge Clip ~~third~~-AV stream being reproduced when reproduction is switched from said first AV stream to said second AV stream; and

clip information that includes address information as information pertinent to said Bridge Clip ~~third~~-AV stream and clip stream type information for the Bridge Clip AV stream, said address information including information on an address of a source packet of said first AV stream at a time of switching of

reproduction from said first AV stream to ~~said a~~ third AV stream, and information on an address of a source packet of said second AV stream at a time of switching of reproduction from said third AV stream to said second AV stream;

wherein said ~~third~~ Bridge Clip AV stream maintains continuity to achieve a seamless playback and said clip stream type information included in the clip information for said Bridge Clip AV stream indicates that said third AV stream is a Bridge Clip AV stream.